

08/04/99



jc682 U.S. PTO

Please type a plus sign (+) inside this box → ☐Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))	Attorney Docket No.	678-325 (P8829)
	First Inventor or Application Identifier	Hi-Chan Moon
	Title	CHANNEL COMMUNICATION APPARATUS...
	Express Mail Label No.	EL229888645US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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<p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <b>83</b>] (preferred arrangement set forth below)</p> <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>32</b>]</p> <p>4. Oath or Declaration [Total Pages <b>2</b>]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)</p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</p> <p><small>* NOTE FOR ITEMS 1 &amp; 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</small></p>	<p>5. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. <input type="checkbox"/> Computer Readable Copy</p> <p>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input type="checkbox"/> Statement verifying identity of above copies</p>
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<b>ACCOMPANYING APPLICATION PARTS</b>	
7. <input checked="" type="checkbox"/>	Assignment Papers (cover sheet & document(s))
8. <input type="checkbox"/>	37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee)
9. <input type="checkbox"/>	English Translation Document (if applicable)
10. <input type="checkbox"/>	Information Disclosure Statement (IDS)/PTO-1449
11. <input type="checkbox"/>	Preliminary Amendment
12. <input checked="" type="checkbox"/>	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
13. <input type="checkbox"/>	* Small Entity Statement(s) filed in prior application, Status still proper and desired (PTO/SB/09-12)
14. <input type="checkbox"/>	Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. <input type="checkbox"/>	Other: _____

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_


**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>17. CORRESPONDENCE ADDRESS</b>					
<input type="checkbox"/> Customer Number or Bar Code Label			or <input checked="" type="checkbox"/> Correspondence address below		
(Insert Customer No. or Attach bar code label here)					
Name					
Address	Dilworth & Barrese 333 Earle Ovington Blvd.				
City	Uniondale	State	NY	Zip Code	11553
Country	U.S.	Telephone	(516) 228-8484	Fax	(516) 228-8516

Name (Print/Type)	Paul J. Farrell	Registration No. (Attorney/Agent)	33,494
Signature	<i>Paul J. Farrell</i>	Date	8/4/99

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 1999</h2> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.</p>		<b>Complete if Known</b>	
<b>TOTAL AMOUNT OF PAYMENT</b>		(\$ ) 3,464.00	
Application Number		Filing Date	
First Named Inventor		Hi-Chan Moon	
Examiner Name		Group / Art Unit	
Attorney Docket No.		678-325 (P8829)	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																				
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <span style="border: 1px solid black; padding: 2px;">04-1121</span></p> <p>Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Dilworth &amp; Barrese</span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:  <input checked="" type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other                 </p>	<p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet.</td></tr> <tr><td>139</td><td>130</td><td>139 130</td><td>Non-English specification</td></tr> <tr><td>147</td><td>2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>113</td><td>1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>215 55</td><td>Extension for reply within first month</td></tr> <tr><td>116</td><td>380</td><td>216 190</td><td>Extension for reply within second month</td></tr> <tr><td>117</td><td>870</td><td>217 435</td><td>Extension for reply within third month</td></tr> <tr><td>118</td><td>1,360</td><td>218 680</td><td>Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1,850</td><td>228 925</td><td>Extension for reply within fifth month</td></tr> <tr><td>119</td><td>300</td><td>219 150</td><td>Notice of Appeal</td></tr> <tr><td>120</td><td>300</td><td>220 150</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>260</td><td>221 130</td><td>Request for oral hearing</td></tr> <tr><td>138</td><td>1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240 55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>141</td><td>1,210</td><td>241 605</td><td>Petition to revive - unintentional</td></tr> <tr><td>142</td><td>1,210</td><td>242 605</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>430</td><td>243 215</td><td>Design issue fee</td></tr> <tr><td>144</td><td>580</td><td>244 290</td><td>Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122 130</td><td>Petitions to the Commissioner</td></tr> <tr><td>123</td><td>50</td><td>123 50</td><td>Petitions related to provisional applications</td></tr> <tr><td>126</td><td>240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td></tr> <tr><td>581</td><td>40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>146</td><td>760</td><td>246 380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td></tr> <tr><td>149</td><td>760</td><td>249 380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105	130	205 65	Surcharge - late filing fee or oath	127	50	227 25	Surcharge - late provisional filing fee or cover sheet.	139	130	139 130	Non-English specification	147	2,520	147 2,520	For filing a request for reexamination	112	920*	112 920*	Requesting publication of SIR prior to Examiner action	113	1,840*	113 1,840*	Requesting publication of SIR after Examiner action	115	110	215 55	Extension for reply within first month	116	380	216 190	Extension for reply within second month	117	870	217 435	Extension for reply within third month	118	1,360	218 680	Extension for reply within fourth month	128	1,850	228 925	Extension for reply within fifth month	119	300	219 150	Notice of Appeal	120	300	220 150	Filing a brief in support of an appeal	121	260	221 130	Request for oral hearing	138	1,510	138 1,510	Petition to institute a public use proceeding	140	110	240 55	Petition to revive - unavoidable	141	1,210	241 605	Petition to revive - unintentional	142	1,210	242 605	Utility issue fee (or reissue)	143	430	243 215	Design issue fee	144	580	244 290	Plant issue fee	122	130	122 130	Petitions to the Commissioner	123	50	123 50	Petitions related to provisional applications	126	240	126 240	Submission of Information Disclosure Stmt	581	40	581 40	Recording each patent assignment per property (times number of properties)	146	760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	149	760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	Other fee (specify) _____				Other fee (specify) _____			
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SUBMITTED BY			Complete (if applicable)	
Typed or Printed Name	Paul J. Farrell		Reg. Number	33,494
Signature		Date	8/4/99	Deposit Account User ID
				04-1121

PATENT

Atty. Docket No. 678-325 (P8829)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

**UTILITY APPLICATION FEE TRANSMITTAL**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Hi-Chan Moon

For: CHANNEL COMMUNICATION APPARATUS AND METHOD IN CDMA  
COMMUNICATION SYSTEM

Enclosed are:

[X] 56 page(s) of specification

[X] 1 page(s) of Abstract

[X] 26 page(s) of claims

[X] 32 sheets of drawings [X] formal [] informal

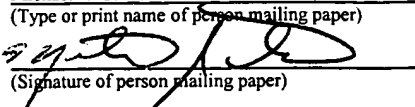
[X] 2 page(s) of Declaration and Power of Attorney

[X] An Assignment of the invention to Samsung Electronics Co., Ltd.

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date August 4, 1999 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL229888645US addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Michael A. Scaturro  
(Type or print name of person mailing paper)

  
(Signature of person mailing paper)

- ☐ This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

- ☒ Certified copy of applications

Country

Appln. No.

Filed

Korea	31952	August 4, 1998
Korea	33359	August 14, 1998
Korea	36679	September 3, 1998

from which priority under Title 35 United States Code, § 119 is claimed  
☐ is enclosed.

☒ will follow.

CALCULATION OF UTILITY APPLICATION FEE

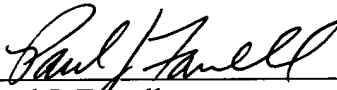
For	Number Filed	Number Extra	Rate	Basic Fee \$760.00
TOTAL CLAIMS	103	83	x 18 =	\$1,494.00
INDEPENDENT CLAIMS	18	15	x 78 =	\$1,170.00
<input type="checkbox"/> Multiple Dep. Claim	0		260	\$0
			TOTAL \$3,424.00	

- ☐ Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$.
- ☒ The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.
- ☒ Two checks in the amount of \$3,424.00 and \$40.00 to cover the ☒ recording, ☒ filing fee(s) are attached.

[ ] Charge fee to Deposit Account No. 04-1121. Order No. \_\_\_\_\_  
TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

[X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: August 4, 1999

  
\_\_\_\_\_  
Paul J. Farrell  
Reg. No. 33,494

DILWORTH & BARRESE  
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Uniondale, NY 11553  
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Fax. (516) 228-8516